

1306 – Health Physics

Major Duties for This Position May Include:

- Provide comprehensive radiation exposure analysis to a large, identified, and targeted population of exposed workers
- Conduct technical evaluations to assess the measured radiation exposure for individual and groups of nuclear workers
- Research and develop innovative radiation dose reconstruction techniques
- Provide advice and assistance on radiation exposure assessment and radiation safety issues to a variety of audiences
- Provide guidance and mentoring for lower-level health physics staff (junior or entry level health physicist)
- Provide written and oral reports on radiation exposures and findings on investigations of exposure analysis

Related Competencies

- Accountability
- Analytical Techniques
- Influencing and Negotiating
- Oral Communication
- Problem Solving

Basic Qualifications

A. Degree: natural science or engineering that included at least 30 semester hours in health physics, engineering, radiological science, chemistry, physics, biology, mathematics, and/or calculus.

Or

B. Combination of education and experience that includes courses as shown in A above, plus appropriate experience or other education; or certification as a health physicist by the American Board of Health Physics, plus appropriate experience and other education that provided an understanding of sciences applicable to health physics comparable to that described in paragraph A.

Minimum Qualifications

In additions to meeting the basic requirements above, applicants must meet the minimum qualifications requirement as defined below:

GS-11 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-09 grade level in the Federal Service. Specialized experience for this position includes:

- Performing personnel dosimetry investigations and evaluations to determine personnel exposure, identify program trends or discrepancies, and recommend control measure changes.

Or Education

Ph.D. or equivalent doctoral degree **or** three (3) full years of progressively higher-level graduate education leading to such a degree **or** LL.M., if related. **TRANSCRIPTS REQUIRED.**

Or Combination

You may qualify on a combination of education and experience. The total percentage of experience at the required grade level compared to the requirement, must equal at least 100 percent. Only graduate level education more than the first 36 semester hours (54 quarter hours) may be combined to be considered for qualifying education. **TRANSCRIPTS REQUIRED.**

GS-12 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-11 grade level in the Federal Service. Specialized experience for this position includes:

- Collecting, analyzing, interpreting, and disseminating data to assess radiation dose reconstruction.

Note: There is no substitution of education for specialized experience at the GS-12 level.

GS-13 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-12 grade level in the Federal Service. Specialized experience for this position includes:

- Planning and overseeing radiation dose reconstruction projects, such as researching and developing innovative radiation dose reconstruction techniques for accomplishing tasks for which there is no precedent.

Note: There is no substitution of education for specialized experience at the GS-13 level.

GS-14 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-13 grade level in the Federal Service. Specialized experience for this position includes:

- Experience in health physics and radiation protection and experience in managing or providing technical assistance to State, Tribal, Local, and/or Territorial preparedness and response efforts to nuclear or radiological incidents.

Note: There is no substitution of education for specialized experience at the GS-14 level.

GS-15 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-14 grade level in the Federal Service. Specialized experience for this position includes:

- Experience in the reconstruction of occupational internal and external radiation doses at nuclear weapons research and production facilities, including the application of internationally accepted models and guidance to these doses, and the estimation of associated uncertainty.

Note: There is no substitution of education for specialized experience at the GS-15 level.

Experience refers to paid and unpaid experience. Examples of qualifying unpaid experience may include volunteer work done through National Service programs (such as Peace Corps and AmeriCorps), as well as work for other community-based philanthropic and social organizations. Volunteer work helps build critical competencies, knowledge, and skills; and can provide valuable training and experience that translates directly to paid employment. You will receive credit for all qualifying experience, including volunteer experience.